

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
Patent and Trademark Office

Atty. Dkt.
No.

Client/Matter No.

Client Ref.

056291-5057

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Applicant: STOCKER et al.

Appln. No.: 09/963,686

Filing Date: September 27, 2001

Examiner: Richard L. Raymond

Group Art Unit: 1624

Date: February 28, 2005

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
RRP	AR	4,167,567	09/1979	McCall	424	273	
RRR	BR	4,231,938	11/1980	Monaghan et al.	260	343.5	
RRR	CR	4,537,896	08/1985	Claeson et al.	514	330	
RRP	DR	4,564,610	01/1986	Rahtz et al.	514	80	
RRP	ER	4,629,728	12/1986	Regnier et al.	514	252	
RRP	FR	4,788,196	11/1988	Cross et al.	514	252	
RRP	GR	4,806,536	02/1989	Cross et al.	514	252	
RRP	HR	4,835,165	05/1989	Cross et al.	514	318	
RRP	IR	4,840,963	06/1989	Shepard et al.	514	418	
RRP	JR	4,968,704	11/1990	Cross et al.	514	318	

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							Enclosed	No	Enclose	No
RRR	KR	10177/92	07/1992	Australia	Frei et al.					
RRP	LR	0 097 630 A2	01/1984	EPA	Claeson et al.					
RRR	MR	0 232 740 A1	08/1987	EPA	Ueda et al.					
RRP	NR	0 233 051	08/1987	EPA	Cross et al.					
RRP	OR	0 244 115	11/1987	EPA	Cross et al.					
RRP	PR	0 308 337	09/1989	EPA	Ninomiya et al.					
RRP	QR	0 324 421 A2	07/1989	EPA	Biller					
RRR	RR	0 352 946 A1	01/1990	EPA	Gymer et al.					
RRR	SR	0 359 389	03/1990	EPA	Cross et al.					

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

RRP	TR	Boissier et al., "Synthesis and Pharmacological Study of New Piperazine Derivatives...Benzylpiperazines", J. Med. Chem., Sept. 1963, pp. 541-544							
RRP	UR	Bowers Nemia et al., "Synthetic Routes to 3-Pyrrolidinol", Synth. Comm. 13(13):1117-1123 (1983)							
RRP	VR	Budavari: Merck Index, Vol. 11 ED., 1989, See Monograph numbers 804 and 2807							

Examiner

Date Considered:

3-22-05

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Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
RR	AR	5,032,604	07/1991	Baldwin et al.	514	361	
RR	BR	5,138,058	08/1992	Geisen et al.	544	295	
RR	CR	5,254,563	10/1993	Huth et al.	514	292	
RR	DR	5,332,822	07/1994	Misra	546	164	
RR	ER	5,364,865	11/1994	Diana	514	318	
RR	FR	5,371,091	12/1994	Misra et al.	514	314	
RR	GR	5,411,971	05/1995	Emonds-Alt et al.	514	318	
RR	HR	5,556,977	09/1996	Wayne et al.	544	360	
RR	IR	5,563,141	10/1996	Wayne et al.	514	252	

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		Document Number	Date MM/YYYY	Country	Inventor Name				
						Enclosed	No	Enclose	No
RR	JR	0 409 413	01/1991	EPA	Edwards et al.				
RR	KR	0 495 750	07/1992	EPA	Frei et al.				
RR	LR	0 515 240 A1	11/1992	EPA	Emonds-Alt et al.				
RR	MR	0 519 449 A1	12/1992	EPA	De Cillis et al.				
RR	NR	0 555 824 A1	08/1993	EPA	Heckel et al.				
RR	OR	0 576 941 A1	01/1994	EPA	Matyus et al.				
RR	PR	0 608 759 A2	08/1994	EPA	Gante et al.				
RR	QR	2 697 252 A1	04/1994	France	Binet et al.				X
RR	RR	1 449 100	07/1976	GB	Thomae				

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)			
RR	SR	Cattel et al., "Drug design based on biosynthetic studies: synthesis, biological activity, and kinetics of new inhibitors of 2,3-oxidosqualene cyclase and squalene epoxidase", Steroids, vol. 53, no. 3-5, 1989, pp. 363-391, XP000611661	
RR	TR	Caulkett et al., Chemical Abstracts. Vol. 131:322629, 1999	
RR	UR	Chambers et al., "Preparation of arylpyridine compounds for treating leukotriene-related diseases", Chemical Abstracts, Abstract No. 139113, Vol. 119 (1993)	

Examiner: <i>RR Raymond</i>	Date Considered: 3-22-04
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Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)		
RR	AR	5,580,881	12/1996	Binet et al.	514	307			
RR	BR	5,606,065	01/1997	Emonds-Alt et al.	546	223			
RR	CR	5,681,954	10/1997	Yamamoto et al.	544	114			
RR	DR	5,795,893	08/1998	Bondinell et al.	514	254			
RR	ER	5,856,326	05/1999	Anthony et al.	514	252			
** RR	FR	6,022,869	02/2000	Faull et al.	514	227.8			
RR	GR	6,037,343	03/2000	Ali	514	252			
FOREIGN PATENT DOCUMENTS									
		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
RR	HR	39 05 364 A1	08/1990	Germany	Geisen et al.				
RR	IR	39 43 225 A	06/1991	Germany	Huth et al.				X
RR	JR	42 43 858 A1	06/1994	Germany	Pieper et al.				
RR	KR	43 06 506 A1	09/1994	Germany	Heck et al.				
RR	LR	92/08709	05/1992	WIPO	Sturzebecher et al.				
RR	MR	92/18478	10/1992	WIPO	Long et al.				
RR	NR	93/06085	04/1993	WIPO	Chambers et al.				
RR	OR	94/18185	08/1994	WIPO	Sturzebecher et al.				
RR	PR	94/20467	09/1994	WIPO	Von der Salle et al.				
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RR	QR	Conway et al., "Approaches to the Generation of 2,3-Indolyne", Heterocycles, 1992, 34(11) pp. 2095-2108							
RR	RR	Cross et al., "Preparation of N-[(heterocyclylmethoxy)phenyl] sulfamides and analogs as antiarrhythmics", Chemical Abstracts, Abstract No. 231211, Vol. 113 (1989)							
RR	SR	Deratani et al., "Synthesis of new dialkylaminopyridine acylation catalysts and their attachment to insoluble polymer supports", Polymer, April 1987, pp. 825-830							
RR	TR	Jucker, "Über C-substituierte Piperazinderivate", Helv. Chim. Acta., 45:2383-2042 (1962)							
Examiner <i>R. Raymond</i>					Date Considered: 3-22-05				
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RR	DR	94/20468	09/1994	WIPO	Leinert et al.					
RR	ER	94/22835	10/1994	WIPO	Wayne et al.					
RR	FR	96/05189	02/1996	WIPO	Sturzebecher et al.					
** RR	GR	96/10022	04/1996	WIPO	Faull					
RR	HR	96/26196	08/1996	WIPO	Lowe et al.					
RR	IR	96/30343	10/1996	WIPO	Anthony et al.					
RR	JR	96/33171	10/1996	WIPO	Artico et al.					
** RR	KR	97/06802	02/1997	WIPO	Brown et al.					
** RR	LR	97/28128	08/1997	WIPO	Brown et al.					

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RR	MR	Hibino et al., "N-Phenysulfonylindole derivatives", Chemical Abstracts, 118:147461, April, 1993					
RR	NR	Jain et al., "Compounds Acting on the Central Nervous System, VII. Studies in 1-Pyridyl-1-substituted Piperazines. A New Class of Anticonvulsants", J. Med. Chem., Sept. 1967, pp. 812-818					
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RR	PR	Kato et al., "Reactivities of 4-Chloropyridine Derivatives and Their 1-Oxides", Chem. Pharm. Bull., 15:1343-1348 (1967)					
RR	QR	Kato et al., "Studies on Ketene and Its Derivatives. LXXVI. ¹ H Reactions of Acetoacetamide and β -Aminocrotonamide and β -Diketone, β -Ketoaldehyde and Related Compounds", Chem. Pharm. Bull., 24(2):303-309 (1976)					

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** RR	DR	97/28129	08/1997	WIPO	Smithers et al.					
** RR	ER	97/29104	08/1997	WIPO	Faull					
RR	FR	97/30971	08/1997	WIPO	Maduskuie et al.					
** RR	GR	98/06705	02/1998	WIPO	Brown et al.					
** RR	HR	98/21188	05/1998	WIPO	Preston et al.					
	IR									
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RR	JR	Kobayashi et al., Chemical Abstracts, Vol. 132:194391, 2000								
RR	KR	Mitsunobu et al., "Preparation of Carboxylic Esters and Phosphoric Esters by the Activation of Alcohols", Bull. Chem. Soc. Jpn., 44(12):3427-3430 (1971)								
RR	LR	Nowak et al., Chemical Abstracts, Vol. 131:337034, 1999								
RR	MR	Kettner et al., "The Selective Inhibition of Thrombin by Peptides of Boroarginine", The Journal of Biological Chemistry, Vol. 265, No. 30, pp. 18289-18297 (1990)								
RR	NR	Kobayashi et al., Chemical Abstracts, Vol. 130:296694, 1999								
RR	OR	Prasad et al., "Antiamoebic Action of Drugs and Synthetic Compounds Against Trophozoites of Entamoeba Histolytica Under Axenic and Polyxenic Culture Conditions and in the Infected Rat Caecum", Curr. Sci., August 1984, pp. 778-781								
RR	PR	Ratouis et al., "Synthesis and Pharmacological Study of New Piperazine Derivatives, II. Phenethylpiperazines", J. Med. Chem., Jan. 1965, pp. 104-107								
RR	QR	Sartori et al., "Synthesis and analgesic activities of urea derivatives of α -amino-N-pyridyl benzene propanamide", Eur J. Med Chem (1994), pp. 431-439								
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	DR								
	ER								
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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)									
RR	GR	Sato et al., "Synthetic Studies on Cardiovascular Agents. III. Synthesis of Pyrano-[2,3-c]pyrazoline Derivatives", Yakugaku Zasshi, Vol. 98(3), 1978, pp. 335-348							
RR	HR	Saxena et al., "Quantitative Structure Activity Relationship in 3-4 Disubstituted Pyridines & 1-(3"-Amino-4"pyridyl)-4-arylpiperazines", Indian J. Chem., Vol. 19B, October, 1980, pp. 873-878							
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RR	JR	Sundberg et al., "Synthesis with N-Protected 2-Lithioindoles", J. Org. Chem., 1973, 38(19) 3324-3330							
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RR	MR	Take et al., Chemical Abstracts, Vol. 133:58814, 2000.							
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RR	GR	Vigroux et al., "Cyclization-Activated Prodrugs: N-(Substituted 2-hydroxyphenyl and 2-hydroxypropyl)carbamates Based on Ring-Opened Derivatives of Active Benzoxazolones and Oxazolidones as Mutual Prodrugs of Acetamiophen", J. Med. Chem., Vol. 38, pp. 3983-3994 (1995)					
RR	HR	Vogel et al., "Cmpmarison of TExperimental Thrombosis Models In Rats Effects of Four Glycosaminoglycans", Thrombosis Research, Vol. 54, No. 5, pp. 399-410 (1989)					
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RR	JR	Wallis, "Inhibitors of Coagulation Factor Xa: From Macromolecular Beginnings to Small Molecules", Current Opinion in Therapeutic Patents, August, 1993, pp. 1173-1179					
RR	KR	Yokoyama et al., "Palladium-catalyzed cross-coupling reaction: direct allylation of aryl bromides with allyl acetate", Tetrahedron Letters, Vol. 26, No. 52, 195, pp. 6457-6460, XP002081581 Oxford GB, pp. 6458-64569: compound 7, 1985					
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